What Is Claimed Is:

1.   A method for encrypting a speech signal transmitted through a communication line, comprising:

5   a characteristic parameter extracting step of splitting the speech signal into predetermined frequency components and extracting a magnitude value of each of the frequency components; and

a data transmission step of transmitting the parameter data extracted at the characteristic parameter extracting step through the communication

10   line.

2.   A method for encrypting a speech signal transmitted through a communication line, comprising:

an analog/digital conversion step of converting an analog speech

15   signal into digital data;

a characteristic parameter extracting step of extracting a magnitude value of each of frequency components of the data; and

a digital/analog conversion step of converting the data extracted at the characteristic parameter extracting step into an analog signal.

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3.   The method for encrypting a speech signal as claimed in

claim 2, wherein the characteristic parameter extracting step includes an FFT

processing step.

5   4.   The method for encrypting a speech signal as claimed in

claim 2, wherein the characteristic parameter extracting step includes DCT

processing step.

5.   The method for encrypting a speech signal as claimed in

10   claim 2, wherein the characteristic parameter extracting step includes

WAVELET transform processing step.

6.   The method for encrypting a speech signal as claimed in

claim 2, wherein the characteristic parameter extracting step includes a

15   subband dividing step.

7.   The method for encrypting a speech signal as claimed in

claim 2, further comprising a rearrangement step of rearranging a series of

characteristic parameters obtained at the characteristic parameter extracting

20   step.

8.   The method for encrypting a speech signal as claimed in

claim 7, wherein rearrangement of the characteristic parameters change

magnitude values of the characteristic parameters.

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9.   The method for encrypting a speech signal as claimed in

claim 7, wherein the rearrangement step rearranges the characteristic

parameters time-serially.

10   10   A system for encrypting a speech signal transmitted through a

communication line, comprising:

an analog/digital conversion means for converting an analog speech

signal into digital data;

a characteristic parameter extracting means for extracting a

15   magnitude value of each of frequency components of the data; and

a digital/analog conversion means for converting the data obtained by

the characteristic parameter extracting means into an analog signal.

11.   The system for encrypting a speech signal as claimed in claim

20   10, wherein the characteristic parameter extracting means extracts

characteristic parameters through FFT.

12.   The system for encrypting a speech signal as claimed in claim

10, wherein the characteristic parameter extracting means extracts

5   characteristic parameters through DCT.

13.   The system for encrypting a speech signal as claimed in claim

10, wherein the characteristic parameter extracting means extracts

characteristic parameters through WAVELET transform.

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14.   The system for encrypting a speech signal as claimed in claim

10, wherein the characteristic parameter extracting means extracts

characteristic parameters through subband division.

15   15.   The system for encrypting a speech signal as claimed in claim

10, further comprising a rearrangement means for rearranging a series of

characteristic parameters outputted from the characteristic parameter

extracting means.

20   16.   The system for encrypting a speech signal as claimed in claim

15, wherein the rearrangement means changes magnitude values of the

characteristic parameters.

17.   The system for encrypting a speech signal as claimed in claim

5   15, wherein the rearrangement means rearranges the characteristic

parameters time-serially.